MA2J114 (MA114)

Silicon epitaxial planar type

For small power rectification

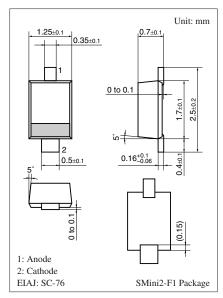
■ Features

- S-mini type package, allowing high-density mounting
- High reverse voltage V_R

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	150	V
Maximum peak reverse voltage	V_{RM}	150	V
Output current	I _O	200	mA
Repetitive peak forward current	I_{FRM}	600	mA
Non-repetitive peak forward surge current *	I_{FSM}	1	A
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C





Marking Symbol: 1E

\blacksquare Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 200 \text{ mA}$			1.2	V
Reverse current	I_R	$V_R = 150 \text{ V}$			200	nA
Terminal capacitance	C _t	$V_R = 0 \text{ V, f} = 1 \text{ MHz}$		4.5		pF

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. Absolute frequency of input and output is 3 MHz.

This graph shows actual values not guaranteed values.

Pulse width t_W (ms)

 10^{2}

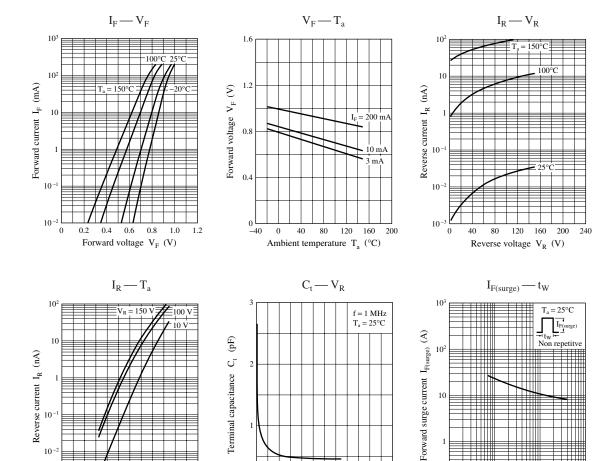
10⁻¹ ∟ 10⁻¹

10 -2

 10^{-3}

40 80 120 160

Ambient temperature T_a (°C)



40 80 120 160 200 240

Reverse voltage V_R (V)

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